

ABSTRACT OF THE DISCLOSURE

A method and system for determining dissolved oxygen is disclosed.

One or more constant currents are driven through amperometric-type
5 dissolved oxygen probes to develop reference electrode potentials defining
the envelope of oxygen electrochemistry. The reference electrode voltage
is generally measured at a first current level and at a second current level
utilizing the oxygen probe, wherein the first and second current levels
define limitations of oxygen electrochemistry. An optimum electrode bias
10 voltage can thereafter be automatically calculated based the reference
electrode voltage measured at the first current level and the second level to
thereby provide accurate indications of dissolved oxygen thereof.